

CANADIAN JOURNAL OF AGRICULTURAL SCIENCE

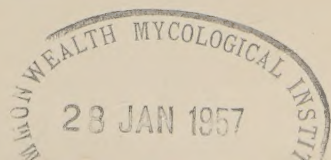
(formerly "Scientific Agriculture")

VOLUME 36

January 1956 - December 1956

EDITED BY THE
AGRICULTURAL INSTITUTE OF CANADA
OTTAWA, CANADA

*Published bi-monthly by the authority of the
Chairman of the National Committee on Agricultural Services*





Digitized by the Internet Archive
in 2025

SUBJECT INDEX TO VOLUME 36

	PAGE
Abbreviations for titles of publications.....	513
<i>Aegilops juvenalis</i> , Genome analysis of.....	284
Aerial spray deposits, A new technique for sampling and assessing.....	81
Alfalfa pollination by honey bees on the Regina Plains of Saskatchewan.....	114
Alfalfa, The X-ray sensitivity of cuttings of creeping-rooted.....	120
Antagonistic activity of micro-organisms in the control of barley smuts.....	1
Apparatus for removing puparia and larvae from soil, An.....	205
Apple scab, Non-ionic surfactants in concentrate mixtures for the control of.....	36
Apples for resistance to scab, Breeding.....	329
Alfalfa, Influence of additions of lime to soils on the availability of potassium and other cations for.....	213
Apples on the yield, composition and flavour of the juice, The influence of post-harvest ripening of McIntosh.....	349
<i>Avena</i> species and polyploids, Cross compatibility relationships among some.....	107
Aureomycin feed supplement on growth and thrift of dairy calves and on ration digestibility, Influence of an.....	302
Barley leaf rust, Greenhouse and fieldplot studies on varietal reactions to.....	127
Barley, Inheritance of reaction to loose smut and to stem rust in.....	356
Barley smuts, Antagonistic activity of micro-organisms in the control of.....	1
Bees on the Regina Plains of Saskatchewan, Alfalfa pollination by honey.....	114
Blueberry sprouts by the blueberry thrips, Injury to.....	510
Boll stripper for harvesting individual flax plants, A portable.....	144
Bovine blood and urine, Gonadotrophins of.....	463
Burford loam in the greenhouse, Yield-of-nutrient curves and availability of phosphorus and potassium in.....	339
Butterfat, Seasonal and regional variations in some chemical and physical properties of Alberta.....	422
Cabbage looper in the Ottawa Valley, Occurrence of a DDT-resistant strain of the..	430
Carbohydrate component in leaf extracts and in leachates obtained under forest canopy, On the.....	267
Carcass quality in swine as influenced by the differential performance of barrows and gilts, Evaluation of.....	435
Cauliflower in Prince Edward Island, Whiptail of.....	241
Chemical composition of nine grasses at six stages of development.....	95
Chemical properties of southern Ontario soils.....	394
Chicken eggs, Genetic and seasonal variation in incidence of blood and meat spots in	390
Chromic oxide in feces, On the routine determination of.....	210
Chromic oxide on its fecal excretion pattern by grazing wethers, Effect of frequency of administration of.....	146
Chromosome behaviour and fertility of Tetra Petkus rye.....	157
Climatology of <i>Melanoplus mexicanus mexicanus</i> (Sauss.) in Saskatchewan, The...	445
Clover, A study of fertility in diploid dollard red.....	59
Corn hybrids, Influence of the maternal parent on the yield of flint \times dent double-cross.....	326

	PAGE
Dairy calves and on ration digestibility, Influence of an aureomycin feed supplement on growth and thrift of.....	302
Damping-off of Scots pine, Field tests with fungicides to control.....	14
Dosage des cations échangeables du sol par le spectrophotomètre à flamme Beckman.....	203
DDT-resistant strain of the cabbage looper in the Ottawa Valley, Occurrence of a ..	430
Ewes as affected by stage and type of pregnancy and type of rearing, Wool growth in mature range.....	8
Feces, On the routine determination of chromic oxide in.....	210
Fertilizer experiments with small grains, Equipment for seeding.....	508
Fertilizers and nutritive values of hays:	
I. Sulphur-deficient grey wooded soils.....	315
Fibre thickness in wool, The determination of:	
I. A comparison of certain techniques for determining average fibre thickness.....	483
II. A comparison of the wedge and micron scales for measuring fibre thickness.....	487
Field exposure on immature stages of the wheat stem sawfly, Effects of.....	196
Flax plants, A portable boll stripper for harvesting individual.....	144
Forage crop harvester, A miniature.....	505
Fruit flies and fungal wastage in peaches.....	233
Fungicides to control damping-off of Scots pine, Field tests with.....	14
Genetic and seasonal variation in incidence of blood and meat spots in chicken eggs.....	390
Genome analysis of <i>Aegilops juvenalis</i>	284
Gonadotrophins of bovine blood and urine.....	463
Grasses at six stages of development, Chemical composition of nine.....	95
Grasses grown singly and in mixtures, Seasonal yield and nitrogen content of three.....	221
Hays, Fertilizers and nutritive values of.....	315
Ice-girdling following the mounding of young peach trees in southwestern Ontario, Suspected.....	41
Insecticides and varietal resistance in the control of the squash vine borer in southwestern Ontario.....	309
Leaf extracts and in leachates obtained under forest canopy, On the carbohydrate component in.....	267
Leaf feeding of determinate tomato plants:	
I. The influences of environment.....	27
II. Effects of urea and sucrose sprays under field conditions.....	401
Leaf measurements as a means of identification of peach varieties in nursery trees ..	409
Lime to soils on the availability of potassium and other cations for alfalfa, Influence of additions of	213
<i>Melanoplus mexicanus mexicanus</i> (Sauss.), A ten-year study of the climatology of.....	445
Mineral grains from soils for identification, Note on the use of 8-quinolinol in chloroform for cleaning.....	245
Mineral metabolism of pullets, Observations on the:	
XI. The effects of protracted treatment with estrogen and with estrogen plus androgen on retention of calcium by the sexually immature pullet.....	166

	PAGE
Non-ionic surfactants in concentrate mixtures for the control of apple scab.....	36
Peaches, Fruit flies and fungal wastage in.....	233
Peach trees in southwestern Ontario, Suspected ice-girdling following the mounding of young.....	41
Peach varieties in nursery trees, Leaf measurements as a means of identification of.....	409
Peas, An evaluation of objective methods for determining the maturity of canning.....	247
Phosphorus and potassium in Burford loam in the greenhouse, Yield-of-nutrient curves and availability of.....	339
Physiologic races of leaf rust of wheat in Canada, 1931-1955.....	371
Pig during its pre-weaning phase of growth, The development of the digestive enzyme system of the:	
A. Pancreatic amylase and lipase.....	45
B. Intestinal lactase, sucrase and maltase.....	51
Phosphorus in soils pre-treated with superphosphate, Availability of.....	471
Pine, Field tests with fungicides to control damping-off of Scots.....	14
Polyploids, Cross compatibility relationships among some <i>Avena</i> species and....	107
Poultry breeding problems, Environment and:	
III. The performance of 8 crossbred and 2 purebred broiler strains at three locations.....	72
Pullets, Observations on the mineral metabolism of:	
XI. The effects of protracted treatment with estrogen and with estrogen plus androgen on retention of calcium by the sexually immature pullet	166
Puparia and larvae from soil, An apparatus for removing.....	205
8-quinolinol in chloroform for cleaning mineral grains from soils for identification, Note on the use of.....	245
Riboflavin and a feed flavour in creep feed rations for swine, Supplemental.....	19
Roller thresher for experimental plot material, A.....	208
Root rot in Ontario, The control of violet.....	276
Root rot of wheat in Saskatchewan, Trends of common.....	292
Rust resistance, The inheritance of:	
I. The inheritance of stem rust resistance in ten varieties of common wheat.....	174
Rye, Chromosome behaviour and fertility of Tetra Petkus.....	157
Sawfly, Effects of field exposure on immature stages of the wheat stem.....	196
Seasonal and regional variations in some chemical and physical properties of Alberta butterfat.....	422
Soil, An apparatus for removing puparia and larvae from.....	205
Soil, The extraction of organic matter from the B horizon of a podzol.....	511
Soils for identification, Note on the use of 8-quinolinol in chloroform for cleaning mineral grains from.....	245
Soils on the availability of potassium and other cations for alfalfa, Influence of additions of lime to.....	213
Soils pre-treated with superphosphate, Availability of phosphorus in.....	471
Soils, Sulphur-deficient grey wooded.....	315

	PAGE
Sol par le spectrophotomètre à flamme Beckman, Dosage des cations échangeables du	203
Spray deposits, A new technique for sampling and assessing aerial	81
Squash vine borer in southwestern Ontario, Insecticides and varietal resistance in the control of the	309
Stripper for harvesting individual flax plants, A portable boll	144
Swine as influenced by the differential performance of barrows and gilts, Evaluation of carcass quality in	435
Swine, Supplemental riboflavin and a feed flavour in creep feed rations for	19
Tetraploids of trifolium hybridum L., Studies of colchicine-induced:	
I. Cross and self-fertility and cytological observations	255
Thresher for experimental plot material, A roller	208
Titles for publications, Abbreviations for	513
Tomato plants, Leaf feeding of determinate:	
I. The influences of environment	27
II. Effects of urea and sucrose sprays under field conditions	401
Violet root rot in Ontario, The control of	276
Whiptail of cauliflower in Prince Edward Island	241
Wethers, Effect of frequency of administration of chromic oxide on its fecal excretion pattern by grazing	146
Wheat, as induced by fertilizer treatment, soil type and season, Variations in percentage phosphorus and protein content of	491
Wheat in Saskatchewan, Trends of common root rot of	292
Wheat in Canada, 1931 to 1955, Physiologic races of leaf rust of	371
Wheat, The inheritance of stem rust resistance in ten varieties of common	174
Wool growth in mature range ewes as affected by stage and type of pregnancy and type of rearing	8
Wool, The determination of fibre thickness in:	
I. A comparison of certain techniques for determining average fibre thickness	485
II. A comparison of the wedge and micron scales for measuring fibre thickness	487
X-ray sensitivity of cuttings of creeping-rooted alfalfa, The	120

AUTHOR INDEX

	PAGE		PAGE
Anderson, R. G.....	174	Jeyaseelan, K. N.....	394
Andrews, J. E.....	356	Johnson, A. S.....	390
Armstrong, J. M.....	255	Johnson, T.....	371
Asselbergs, E. A.....	349	Julien, J. B.....	329
Bailey, C. B.....	45, 51	Kemp, J. G.....	505
Banky, E. C.....	483, 487	Kitts, W. D.....	45, 51
Bentley, C. F.....	315, 380, 508	Knott, D. R.....	174
Blair, D. S.....	329	Lambroughton, D. B.....	435
Bolton, J. L.....	114	Lapins, K.....	409
Bowland, J. P.....	19	Levine, M. N.....	127
Boyes, J. W.....	59	Logan, V. S.....	302
Brisson, G. J.....	146, 210, 302	Lutwick, L. E.....	471
Campbell, J. E.....	241	MacCarthy, H. R.....	445
Carson, R. B.....	95	MacLean, A. J.....	213, 471
Cherewick, W. J.....	127	MacLean, K. D.....	267
Chinn, S. H. F.....	1	Mann, S. L. W.....	81
Choinière, L.....	203	Matthews, B. C.....	394
Common, R. H.....	166	Maw, W. A.....	166
Cunningham, R. H.....	144, 208	McCully, K. A.....	166
DeLong, W. A.....	267	McGinnis, R. C.....	284
Dimmock, F.....	326	McMahon, H. A.....	114
Donovan, L. S.....	326	McElroy, L. W.....	315
Dustan, G. G.....	233	Merritt, E. S.....	72
Farstad, C. W.....	196	Miles, V. J.....	302
Foster, J. R.....	114	Miller, L. A.....	309
Foster, T. S.....	463	Morrison, J. W.....	157
Fredeen, H. T.....	435	Murray, Beatrice E.....	120
Gareau, L.....	315	Nonnecke, I. L.....	247
Gowe, R. S.....	72	Pankiw, P.....	114
Gravells, R.....	81	Pawluk, Stephen.....	380
Halstead, R. L.....	471	Peake, R. W.....	221
Hannah, A. E.....	144, 208	Pigden, W. J.....	146, 505
Harcourt, D. G.....	430	Povilaitis, Bronys.....	59
Harrison, T. B.....	41	Powrie, W. D.....	349
Heinrichs, D. H.....	95	Racicot, H. N.....	329
Hilton, R. J.....	27, 401	Read, D. C.....	205
Holmes, N. D.....	196	Reeder, S. W.....	245
Hopewell, W. W.....	81	Renner, Ruth.....	315
Hornby, C. A.....	409	Rennie, D. A.....	491
Hurtig, H.....	81	Robertson, R. W.....	255
		Robinson, D. B.....	241
		Russell, R. C.....	1

AUTHOR INDEX—*Concluded*

	PAGE		PAGE
Sallans, B. J.....	292	Vaartaja, O.....	14
Schnitzer, M.....	511	Whiting, F.....	8
Shaw, D. A.....	27, 401	Whitney, N. J.....	276
Sibbald, I. R.....	19	Williams, K.....	36
Slen, S. B.....	8, 483, 487	Willison, R. S.....	233
Smith, J. A.....	339	Wilner, J.....	14
Spangelo, L. P. S.....	329	Wilson, D. B.....	221
Strachan, G.....	247	Wood, A. J.....	45, 51
Steppler, H. A.....	166	Wood, F. W.....	422
Swales, J. E.....	36	Wood, G. W.....	510
		Wright, J. R.....	511
Torfason, W. E.....	247	Zillinsky, F. J.....	107